

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 7/10/2015  
Effective: 7/10/2015

Version: DMEF2015 R0  
Status: Active

Instrument # 100674

Date: 8/11/15

Analyst: Colleen O'Bryant

1. Reason for instrument evaluation

Instrument not registering breath flow while subject is blowing. 5 way valve issue.

2. Visual Inspection

3. Troubleshooting/Repair

5 way valve was not opening and closing properly after arrival at the lab. I performed a non-drinking subject test with the cover open and provided two samples in a two minute window. The first was not recognized as flow by the instrument. After manually moving the plunger the second sample was accepted.

Replaced 5-way valve.

Performed a non-drinking subject test without issue.

4. VOC (attached)

5. Internal Standard value  $\leq 3.00\%$  Yes  No

6. Verify software version  3.01

Return to Factory for Repair

Ready For Calibration

Ready For Certification

SUBJECT TEST

Alaska Department of Public Safety  
DATA MASTER dmt: 100674

Date: 09/08/2015  
Time: 14:49:56

SUBJECT NAME:  
TEST TEST  
LICENSE #: NON-DRINKING

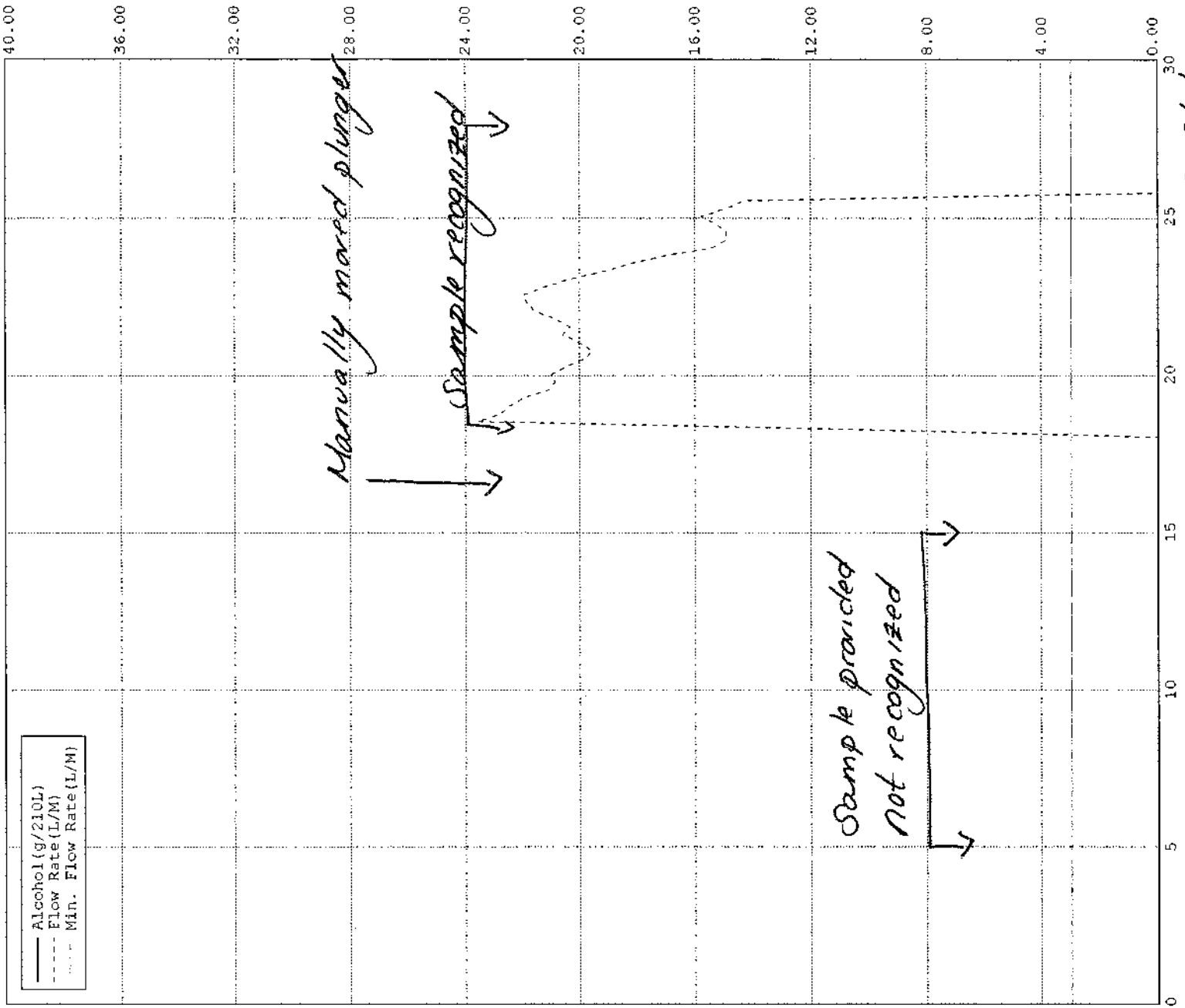
OPERATOR NAME:  
COLLEEN S O'BRYAN  
OPERATOR'S #: 6237

DEPT/AGENCY:  
AAAI  
CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.50: 0.079  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	14:50
BLANK TEST	0.000	14:51
INTERNAL STANDARD	VERIFIED	14:51
EXTERNAL STANDARD	0.076	14:51
BLANK TEST	0.000	14:52
SUBJECT SAMPLE (Vol=2.39L)	0.000	14:52
BLANK TEST	0.000	14:53
EXTERNAL STANDARD	0.076	14:53
BLANK TEST	0.000	14:54

*COB*



SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100674

Date: 09/10/2015  
Time: 09:21:40

SUBJECT NAME:  
TEST TEST  
LICENSE #: NON-DRINKING

OPERATOR NAME:  
COLLEEN S O'BRYAN  
OPERATOR'S #: 6237

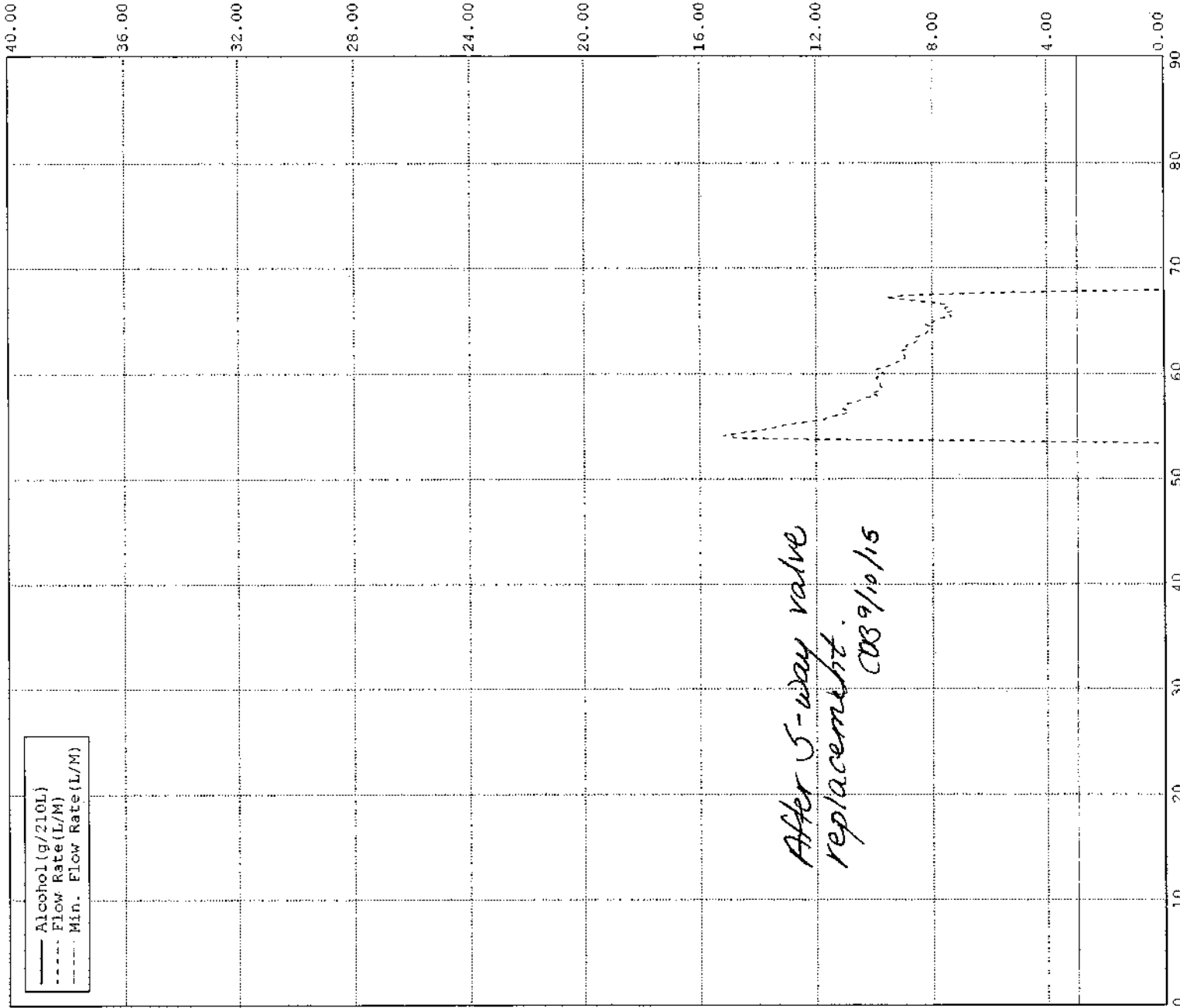
DEPT/AGENCY:  
AAA1

CASE/REPORT: 15-1234  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.11: 0.078  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016

DIAGNOSTIC CHECK	PASSED	09:27
BLANK TEST	0.000	09:27
INTERNAL STANDARD	VERIFIED	09:27
EXTERNAL STANDARD	0.076	09:27
BLANK TEST	0.000	09:28
SUBJECT SAMPLE (Vol=2.32L)	0.000	09:29
BLANK TEST	0.000	09:30
EXTERNAL STANDARD	0.075	09:30
BLANK TEST	0.000	09:31



# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100674

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 09/10/2015

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.11: 0.078  
LOT #: 09214080A2  
EXPIRATION: 05/01/2016  
TANK PRESSURE: 677 psi

BLANK TEST	0.000	09:35
INTERNAL STANDARD	VERIFIED	09:35
Xq = 0.106 (0.92%)		
EXTERNAL STANDARD	0.076	09:36
X[1] = 0.0764 (-0.0008) (0.0013)		
BLANK TEST	0.000	09:36
EXTERNAL STANDARD	0.076	09:37
X[1] = 0.0757 (-0.0010) (0.0014)		
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.074	09:38
X[1] = 0.0745 (-0.0011) (0.0009)		
BLANK TEST	0.000	09:39
EXTERNAL STANDARD	0.075	09:39
X[1] = 0.0753 (-0.0008) (0.0014)		
BLANK TEST	0.000	09:40
EXTERNAL STANDARD	0.075	09:40
X[1] = 0.0748 (-0.0009) (0.0010)		
BLANK TEST	0.000	09:41

Average = 0.0752  
Std Dev = 0.0008

## Diagnostic Check

### VERSIONS

DMT: 3.01  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 44.5°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.71 V	PASSED
(1.04 V - 2.44 V)	
Cooler Voltage = 1.83 V	PASSED
(1.05 V - 2.45 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 535 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

### PUMP INFO

Flow Rate = 4.159 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.005 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

Xq = 0.106	0.753	(0.00% - 4.00%)	PASSED
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I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

Nita J. Bolz  
Scientific Director  
State Breath Alcohol Program

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_